6,06 buns

ENTERED



1600

RAW SEQUENCE LISTING

DATE: 08/27/2003

PATENT APPLICATION: US/09/899,422A

TIME: 12:54:43

11/2

Input Set: N:\EBONY'S\US09899422A.raw.txt
Output Set: N:\CRF4\08272003\I899422A.raw

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1 <110> APPLICANT: Hauptmann, Rudolph
             Himmler, Adolph
             Maurer-Fogy, Ingrid
              Stratowa, Christian
      5 <120> TITLE OF INVENTION: TNF Receptors, TNF Binding Proteins and DNAs Coding for
              Them
      7 <130> FILE REFERENCE: 98-385-H
C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/899,422A
      9 <141> CURRENT FILING DATE: 2001-07-03
     10 <150> PRIOR APPLICATION NUMBER: 09/525,998
     11 <151> PRIOR FILING DATE: 2000-03-15
     12 <150> PRIOR APPLICATION NUMBER: 08/383,676
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     14 <150> PRIOR APPLICATION NUMBER: 08/153,287
     15 <151> PRIOR FILING DATE: 1993-11-17
     16 <150> PRIOR APPLICATION NUMBER: 07/821,750
     17 <151> PRIOR FILING DATE: 1992-01-02
     18 <150> PRIOR APPLICATION NUMBER: 07/511,430
     19 <151> PRIOR FILING DATE: 1990-04-20
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     21 <170> SOFTWARE: PatentIn Ver. 2.0
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     34 <221> NAME/KEY: misc feature
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DATE: 08/27/2003

TIME: 12:54:43

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/899,422A

Input Set : N:\EBONY'S\US09899422A.raw.txt
Output Set: N:\CRF4\08272003\I899422A.raw

45	Met	Glv	Leu	Ser	Thr	Val	Pro	Asp	Leu	Leu	Leu	Pro	Leu	Val	Leu	Leu	
46	1	-			5			_		10					15		
47					gga												96
48	Glu	Leu	Leu		Gly	Ile	Tyr	Pro		GLY	Val	тте	GLY		vaı	Pro	
49	a aa	at a	aaa	20	agg	a a a	224	2072	25	a ort	a+ a	tat	ccc	30	aaa	222	144
50 51					Arg												711
52	1112	пси	35	1135	ran g	OIU	БуЗ	40	тыр	001	• • • •	Oyb	45	0111	011	2,5	
53	tat	atc		cct	caa	aat	aat	tcq	att	tgc	tqt	acc	aag	tgc	cac	aaa	192
54					Gln												
55		50					55					60					
56					tac												240
57	_	Thr	Tyr	Leu	Tyr		Asp	Cys	Pro	Gly		Gly	Gln	Asp	Thr		
58	65					70					75					80	200
59					gag												288
60 61	cys	Arg	GIU	Cys	Glu 85	ser	дту	ser	Pne	90	ALA	ser	GIU	ASII	95	теп	
62	aga	cac	tac	ata	agc	tac	taa	aaa	tac		aag	αаа	atσ	aat		ata	336
63	_		_		Ser	_			_	_	_	_	_				
64	9		- 2 -	100		- 2 -		-	105	,	-			110			
65					tgc												384
66	Glu	Ile	Ser	Ser	Cys	Thr	Val	Asp	Arg	Asp	Thr	Val	Cys	Gly	Cys	Arg	
67			115					120					125				
68					cgg												432
69 70	Lys		ĢIn	Tyr	Arg	His	Tyr 135	Trp	Ser	Glu	Asn	ьеи 140	Pne	GIN	cys	Pne	
70 71	22+	130	200	ctc	tgc	ct c		aaa	200	at a	Cac		tcc	tac	cad	aaa	480
72					Cys												100
73	145	0,0	001	200	010	150		1			155			- 1		160	
74		cag	aac	acc	gtg	tgc	acc	tgc	cat	gca	ggt	ttc	ttt	cta	aga	gaa	528
75					Val												
76					165					170					175		
77			_	_	tcc	_	_		-	_		_					576
78	Asn	GIu	Cys		Ser	Cys	Ser	Asn	_	Lys	Lys	Ser	Leu		Cys	Thr	
79 80	224	++~	+~~	180	000	000	a++	~~~	185	~++	224	~~~	act	190	~ ~ ~	tca	624
80 81					ccc Pro												024
82	цуз	neu	195	пси	110	0.2.11	110	200	71511	V (4.3.	Буо	O± y	205	014	· · · · ·	201	
83	aac	acc		ata	ctg	tta	ccc		gtc	att	ttc	ttt		ctt	tgc	ctt	672
84					Leu												
85	_	210					215					220					
86					ttc				-		-						720
87		Ser	Leu	Leu	Phe		Gly	Leu	Met	Tyr	_	Tyr	Gln	Arg	Trp		
88	225					230					235					240	7.00
89					tcc												768
90 91	ser	тАЗ	neu	тÀг	Ser 245	тте	val	Cys	GΤλ	250	Set	1 11L	FIO	GIU	255	GIU	
92	aaa	gag	ctt	gaa	gga	act	act	act	aad		cta	acc	сса	aac		agc	816
93					Gly												
	- 4				-				-								





DATE: 08/27/2003

TIME: 12:54:43

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/899,422A

Input Set : N:\EBONY'S\US09899422A.raw.txt
Output Set: N:\CRF4\08272003\I899422A.raw

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95	ttc	aσt	ccc		cca	aac	ttc			acc	ctq	ggc	ttc	aġt	ccc	gtg	864
96	Phe	Ser	Pro	Thr	Pro	Glv	Phe	Thr	Pro	Thr	Leu	Ğĺy	Phe	Ser.	Pro	Val	
97.			275			_		280				-	285				
98	CCC	agt		acc	ttc	acc	t.cc	agc	tcc	acc	tat	acc	ccc	aat	qac	tat	912
99								Ser									
100	210	290					295					300		_	*	-	
101	CCC			aca	act	ccc			αac	rato	ιαса	cca	ccc	tat	caq	ggg	960
102																Ğĺÿ	
103	305		1 1110			310		,	010		315			- 1		320	
104				ato	ctt			acc	cto	: acc			ccc	ato	ccc	aac	1008
105	Ala	Asr	Pro	Tle	Leu	Ala	Thr	· Ala	Leu	ı Ala	Ser	Asp	Pro	Ile	Pro	Asn	
106	7320		, , ,	. 110	325					330					335		
107	ccc	ctt	cac	r aan			r dac	, add	acc			r dda	cad	ago		gac	1056
108	Pro	T.en	. Clr	T.VS	Trr	Gli) Asr	Ser	· Ala	His	LVS	Pro	Gln	Ser	Leu	Asp	
100	110	пес	UII.	340	_	OIC		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	345		, 1,0		4_1 .	350			
110	act	- mat				. acc	r ctc	r tac			r ata	เดลก	aac			ccg	1104
111																Pro	
112	1111	TOL	355		, MIG	1 1111	. псс	360		· vas		. 010	365				
113	++~					++	· ata			cta	a aaa	r cto			a dad	gag	1152
114																Glu	
115	nec	370	_	, nys	010	LIIC	375		, ,,,,,	, 100	. 0-7	380		1101	, ,,,,,,		
115	2+0					cto				, ,,,,,,,	, tac			. dac	י מכם	caa	1200
117	Tla	yat Nor	. 7xc	TOU	gay Clu	Tai	, cay) Aer	999	, Arc	r Cue	. Lei	Arc	. Gli	ı Ala	Gln	1200
117	385	-	, wr	1 Dec	GIU	390		i noi.	. 01)	, 1116	395		1119	, 010		400	
110			, ata	· ctc	, ,,,,,,,			, auc	car	r caa			cac	י כמו	r dad	gcc	1248
120																Ala	10.0
120	тут	. 561	. Met	, пес	405		. 115	ALG	, AL	410			, ,,,,,,	, ,,,,	415		
122	2.00	cata		, ctc			cac	ato	cto			ato	, dac	cto		ggc	1296
123																Gly	
123	1111	ше	ı Git	420		. 01)	, ,,,,,	, , ,	425		3 1101	, 1100		430			
125	+ ~ ~	, ata	, as			, ,,	r cac	י מכר			- ממכ		י מככ			ccg	1344
125	Cyc	, CCC	y gay	, yac	Tle	. gaç	, gay	, 90 <u>9</u>	I.e.	. Cvs	. G]	, Pro	Ala	Ala	. Leu	Pro	
127	Cys	, пет	435		, 116	, 010	. О.Т.	440		. Oy.	, (1)		445				
128	000				ctt	cto	202	a tga									1368
129				Ser					•								
130	FIC	450		, 261	. шес	шес	455										
132 <210	< cr/			2			7,7	,									
132 <210	-	•															
133 <211				,													
				Iomo	eani	ane											
135 <213 136 <400					Sapı	CHO											
136 < 400					ጥ ኮ	- [[a]	Dr/) Aer	ı Lei	1 T.A1	1 T.e.1	ı Pro) T.A.	ı Və] [.e.	Leu	
137	met		, ner	, 2 <u>6</u> 1	. +111	. val	(1101	, <u>1</u> 00	1 10					15		
136			, T ^.	, 17-1	ر. 1۰	, , Tl-	ייזי ת	r Pro	, Ç <u>o</u> ı			T14	G] t	, T.e.ı		Pro	
	GIL	тer	т пе	1 vai 20		, 176	- 1 A 1	_ 1.3.0	25	_	y val		. 01)	3(
140 141	ui -	. та.	. (1)			, G1,	1 T.374	a Arc			r Val	(77	Pro	_		/ Lys	
141	UTE	, пе	35 35		, wr	, σ πι	ı ııy:	4 (2 261	_ va.	. Суз	45			-, -, -	
142	Ψ.,.	- Tl-			\ <u>@</u> 1~) Acr	n Aer			_ (v	s Cve	s Thr			s His	Lys	
17J	тХт				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	لم معميل					,			1.			



PATENT APPLICATION: US/09/899,422A

DATE: 08/27/2003 TIME: 12:54:43

Input Set: N:\EBONY'S\US09899422A.raw.txt
Output Set: N:\CRF4\08272003\I899422A.raw

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. 148					85					90					95	
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150				100					105					110		
151	Glu	Ile	Ser	Ser	Cys	Thr	Val	Asp	Arg	Asp	Thr	Val	Cys	Gly	Cys	Arg
152			115					120					125			
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154		130					135					140				
155	Asn	Cys	Ser	Leu	Cys	Leu	Asn	Gly	Thr	Val	His	Leu	Ser	Cys	Gln	Glu
156	145					150					155					160
157	Lys	Gln	Asn	Thr	Val	Cys	Thr	Cys	His	Ala	Gly	Phe	Phe	Leu	Arg	Glu
158	-				165		•			170					175	
159	Asn	Glu	Cys	Val	Ser	Cys	Ser	Asn	Cys	Lys	Lys	Ser	Leu	Glu	Cys	Thr
160			_	180					185					190		
161	Lys	Leu	Cys	Leu	Pro	Gln	Ile	Glu	Asn	Val	Lys	Gly	Thr	Glu	Asp	Ser
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164	_	210					215					220				
165	Leu	Ser	Leu	Leu	Phe	Ile	Gly	Leu	Met	Tyr	Arg	Tyr	Gln	Arg	Trp	Lys
166	225					230					235					240
167	Ser	Lys	Leu	Tyr	Ser	Ile	Val	Cys	Gly	Lys	Ser	Thr	Pro	Glu	Lys	Glu
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169	Gly	Glu	Leu	Glu	Gly	Thr	Thr	Thr	Lys	Pro	Leu	Ala	Pro	Asn	Pro	Ser
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172			275					280					285			
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181	Thr	Asp	Asp	Pro	Ala	Thr	Leu		Ala	Val	Val	Glu		Val	Pro	Pro
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187	Tyr	Ser	Met	Leu		Thr	Trp	Arg	Arg		Thr	Pro	Arg	Arg		Ala
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189	Thr	Leu	Glu		Leu	Gly	Arg	Val		Arg	Asp	Met	Asp		ьeu	GTA
190				420					425	_		_		430		-
191	Cys	Leu		Asp	Ile	Glu	Glu		Leu	Cys	Gly	Pro		Ala	Leu	Pro
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DATE: 08/27/2003

TIME: 12:54:43

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/899,422A

Input Set : N:\EBONY'S\US09899422A.raw.txt
Output Set: N:\CRF4\08272003\I899422A.raw

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. 205		Asp	Ser	Val	Cys	Pro	Gln	Gly	Lys	Tyr	Ile	His	Pro	Gln	Asn	Asn	Ser	
206		1				5					10					15		
207						aag												96
208		Ile	Cys	Cys	Thr	Lys	Cys	His	Lys	Gly	Thr	Tyr	Leu	Tyr	Asn	Asp	Cys	
209					20					25					30			
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212				35					40					45				
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214		Phe		Ala	Ser	Glu	Asn	His	Leu	Arg	His	Cys		Ser	Cys	Ser	Lys	
215			50					55					60					
216						atg												240
217		_	Arg	Lys	Glu	Met		Gln	Val	Glu	Ile		Ser	Cys	Thr	.Val		
218		65					70					75					. 80	000
219						tgt												288
220		Arg	Asp	Thr	Val	Cys	Gly	Cys	Arg	Lys		GIn	Tyr	Arg	Hıs		Trp	
221						85					. 90					95		226
222						ttc												336
223		Ser	GLu	Asn		Phe	GIn	Cys	Phe		Cys	Ser	ьeu	cys		Asn	GTÀ	
-224					100			~~~	~~~	105	~~~	220	200	~+ ~	110	200	taa	384
225						tcc												204
226		Inr	vaı		теп	Ser	Cys	GIII	120	гу	GIII	ASII	1111	125	Cys	1111	Суз	
227		+	~~~	115	++~	ttt	at a	202		220	ana.	+~+	ata		tat	aat	220	432
228 229						Phe												152
230		nis	130	СТУ	FILE	1116	пеп	135	GIU	ASII	014	Cys	140	001	Oy5	DOL	11011	
231		tat		222	200	ctg	nan		acq	aan	t+a	tac		CCC	cad	att	gag	480
232						Leu												
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234		aat					100											483
235		Asn																
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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/899,422A

DATE: 08/27/2003 TIME: 12:54:44

Input Set : N:\EBONY'S\US09899422A.raw.txt
Output Set: N:\CRF4\08272003\I899422A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:23; N Pos. 344,4157,5135,6255
Seq#:28; Xaa Pos. 4
Seq#:29; Xaa Pos. 7
Seq#:32; Xaa Pos. 1,2
Seq#:36; Xaa Pos. 6,10,11,12
Seq#:41; Xaa Pos. 9,10,11
Seq#:43; Xaa Pos. 6,18
Seq#:44; Xaa Pos. 16,17
Seq#:46; Xaa Pos. 7
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5





VERIFICATION SUMMARY

PATENT APPLICATION: US/09/899,422A

DATE: 08/27/2003 TIME: 12:54:44

Input Set: N:\EBONY'S\US09899422A.raw.txt
Output Set: N:\CRF4\08272003\1899422A.raw

L:8 M:270 C: Current Application Number differs, Wrong Format
L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:300
M:341 Repeated in SeqNo=23
L:1560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:1576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:1611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
M:341 Repeated in SeqNo=43
L:1770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
M:341 Repeated in SeqNo=44
L:1797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0

STATISTICS SUMMARY

PATENT APPLICATION: US/09/899,422A

DATE: 08/27/2003 TIME: 12:54:44

Input Set : N:\EBONY'S\US09899422A.raw.txt
Output Set: N:\CRF4\08272003\I899422A.raw

Application Serial Number: US/09/899,422A

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 07-03-2001

Art Unit: 1600

Software Application: PatentIN2.0 Total Number of Sequences: 97

Total Nucleotides: 19901 Total Amino Acids: 3746

Number of Errors: 0 Number of Warnings: 14 Number of Corrections: 1

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

341 W: 14 ((46) "n" or "Xaa" used)